



K0546  
North America

KRATON™ D0243 K Polymer

Data Document

Identifier : K546DDj26U

**Description**

Kraton D0243 K is a clear, diblock copolymer based on styrene and butadiene with a polystyrene content of 32%. It is supplied from North America in the physical form identified below.

- Kraton D0243 KT - supplied as a porous pellet dusted with talc

Kraton D0243 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

**Sales Specifications**

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	30.0 TO 34.0	
Total Extractables	KM 05	%m	<= 1.0	
Volatile Matter	KM 04	%m	<= 1.0	
Solution Viscosity	BAM 922	cP	240 TO 390	a
Ash, T	BAM 908	%w	0.35 TO 0.75	b
Total Antioxidant	KM 08	%m	0.35 TO 0.48	
<b>a</b>	25%w toluene solution at 25 degrees C			
<b>b</b>	Talc			

**Typical Properties** (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value	Notes
Melt Index 200°C, 5 kg	ASTM D 1238	gms/10 min.	20	
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	70	f d
Tensile Strength	ASTM D 412	psi	250	e f
Vinyl Polybutadiene Content	BAM 919	%w	35 NULL	
300% Modulus	ASTM D 412	psi	150	e f
Styrene / Rubber ratio	n/a		32/68	
Diblock content	n/a		75	
Specific Gravity	ASTM D 792		0.94	
<b>d</b>	Typical values on polymer compression molded at 300 Å°F			
<b>e</b>	Measured on films cast from a solution in toluene			
<b>f</b>	Estimated value			